

Serial No. 10/785,463
Amendment and Response
Page 3 of 15

AMENDMENTS TO THE CLAIMS

Please cancel claims 13-18, 38-44, 47-48 and 51-54, without prejudice, and enter the amendments and new claims shown in the following listing. The following listing of claims shows all pending and cancelled claims and indicates whether each pending claim is currently amended, was previously presented as a new or amended claim in a prior response, remains as originally filed, or is newly presented. This listing of claims replaces all prior versions and listings of claims in the application.

1. (Previously Presented) A method of deriving power for a device from a power source of a fluorescent light, comprising:

electrically connecting a first power coupling to at least a first pin located at a first end of a fluorescent lamp, said first power coupling being electrically connected to a power converter of the device; and

electrically connecting a second power coupling to at least a second pin located at a second end of the fluorescent lamp, said second power coupling also being electrically connected to the power converter of the device such that a circuit is completed between the power converter, the first pin and the second pin,

whereby power supplied to the pins by the power source of the fluorescent light will be drawn by the circuit to power the device.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein the first power coupling and the second power coupling are each made from a conducting material;

wherein the first power coupling is spaced apart from the first end of the fluorescent lamp and from a first connector in a fluorescent light fixture by one or more first insulating means; and

wherein the second power coupling is spaced apart from the second end of the fluorescent lamp and from a second connector in the fluorescent light fixture by one or more second insulating means.

Serial No. 10/785,463
Amendment and Response
Page 4 of 15

4. (Currently Amended) The method of claim 1, wherein the first power coupling and the second power coupling are each configured for making electrical connection with either one of a bi-pin fluorescent lamp ~~or~~ and a single-pin fluorescent lamp.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The method of claim 1, wherein at least one of the first power coupling ~~or~~ and the second power coupling is electrically connected to the power converter of the device via a power tether.

8. (Currently Amended) The method of claim 1, wherein at least one of the first power coupling ~~or~~ and the second power coupling is electrically connected directly to the power converter of the device.

9. (Original) The method of claim 1, wherein the power drawn by the circuit does not impede operation of the fluorescent lamp.

10. (Original) The method of claim 1, wherein the device is designed to primarily function as a wireless network component.

11. (Original) The method of claim 10, where the device receives network data and control signals from a second wireless network component via wireless communications.

12. (Original) The method of claim 10, wherein the device is designed to communicate with a second wireless network component via a power line carrier system.

13. (Canceled)

14. (Canceled)

Serial No. 10/785,463
Amendment and Response
Page 5 of 15

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

Serial No. 10/785,463
Amendment and Response
Page 6 of 15

19. (Currently Amended) A wireless network component that derives power from a power source of a fluorescent light, comprising:

a first power coupling electrically connected to a power converter of the wireless network component and configured for electrically connecting to at least a first pin at a first end of a fluorescent lamp, the first pin configured for electrically connecting to a first connector of a fluorescent light fixture; and

a second power coupling electrically connected to the power converter of the wireless network component and configured for electrically connecting to at least a second pin at a second end of the fluorescent lamp, the second pin configured for electrically connecting to a second connector of the fluorescent light fixture, to thereby complete a circuit between the power converter, the first pin and the second pin; and wherein the first connector of the fluorescent light fixture and the second connector of the fluorescent light fixture are each electrically connected to the power source,

whereby power supplied to the pins first pin and the second pin of the fluorescent lamp by the power source of the fluorescent light, will be drawn by the circuit to power the wireless network component.

20. (Canceled)

21. (Currently Amended) The wireless network component of claim 19, further comprising:

one or more first insulating means for spacing the first power coupling apart from the first end of the fluorescent lamp and from a the first connector in a fluorescent light fixture; and

one or more second insulating means for spacing the second power coupling apart from the second end of the fluorescent lamp and from the second connector a second connector in the fluorescent light fixture.

22. (Currently Amended) The wireless network component of claim 19, wherein the first power coupling and the second power coupling are each configured

Serial No. 10/785,463
Amendment and Response
Page 7 of 15

for making electrical connection with ~~either~~ one of a bi-pin fluorescent lamp ~~or~~ and a single-pin fluorescent lamp.

23. (Canceled)

24. (Canceled)

25. (Currently Amended) The wireless network component of 19, wherein at least one of the first power coupling ~~or~~ and the second power coupling is electrically connected to the power converter of the device via a power tether.

26. (Currently Amended) The wireless network component of claim 19, wherein at least one of the first power coupling ~~or~~ and the second power coupling is electrically connected directly to the power converter of the device.

27. (Original) The wireless network component of claim 19, further comprising means for receiving data and control signals through the fluorescent light power supply using a power line carrier system.

28. (Original) The wireless network component of claim 27, wherein the means for receiving data and control signals comprises a signal bypass network for allowing a power line carrier signal to bypass a ballast of a fluorescent light fixture.

29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Canceled)

Serial No. 10/785,463
Amendment and Response
Page 8 of 15

35. (Currently Amended) A method of deriving power for a device from a power source of a fluorescent light, comprising:

electrically connecting a first power coupling to at least a ~~first~~ one pin of a fluorescent lamp, said first power coupling comprising a connector configured to receive the at least one pin and being electrically connected to a power converter of the device; and

electrically connecting a second power coupling to at least one connector located on a lighting fixture designed to accept a fluorescent lamp, said second power coupling comprising one or more power coupling pins and also being electrically connected to the power converter of the device such that a circuit is completed between the power converter, the first at least one pin of the fluorescent lamp and the connector located on the lighting fixture,

whereby power supplied by the power source of the fluorescent light will be drawn by the circuit to power the device.

36. (Previously Presented) The method of claim 35, wherein the power supplied by the power source of the fluorescent light to the circuit powers the fluorescent lamp as well as the device.

37. (Original) The method of claim 35, wherein the device is designed to primarily function as a wireless network component.

38. (Canceled)

39. (Canceled)

40. (Canceled)

41. (Canceled)

42. (Canceled)

43. (Canceled)

Serial No. 10/785,463
Amendment and Response
Page 9 of 15

44. (Canceled)

45. (Previously Presented) The method of claim 1, wherein the device is mounted to the fluorescent lamp.

46. (Previously Presented) The method of claim 1, wherein the device is mounted to a surface in proximity to the fluorescent lamp.

47. (Canceled)

48. (Canceled)

49. (Previously Presented) The wireless network component of claim 19, further comprising mounting means for mounting the wireless network component to the fluorescent lamp.

50. (Previously Presented) The wireless network component of claim 19, further comprising mounting means for mounting the wireless network component to a surface in proximity to the fluorescent lamp.

51. (Canceled)

52. (Canceled)

53. (Canceled)

54. (Canceled)